

FEB 20 2007

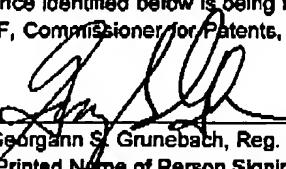
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Attention:	MAIL STOP AF Group Art Unit: 2817 Examiner: CHOE, Henry	Fax: (571) 273-8300
UNITED STATES PATENT AND TRADEMARK OFFICE		Phone: (571) 272-1760
Pages:	Cover + 2 + 2 + 1 = 6	Date: February 20, 2007
From:	Georgann S. Grunebach	Fax: (310) 964-0941
	Assistant General Counsel	Phone: (310) 964-4615

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Georgann S. Grunebach, Reg. No. 33,179
(Printed Name of Person Signing Certificate)

February 20, 2007
(Date of Signature)

Telephone No. (310) 964-4615

Attention: Commissioner for Patents

Attorney Docket No. PD-202131

ISSUE FEE DUE: FEBRUARY 21, 2007

Please find attached Re:

Serial No.: 10/532,509

Filing Date: April 25, 2005

- SUPPLEMENTAL DISCLOSURE STATEMENT WITH FEE (2 pages in duplicate)
- SUBSTITUTE PTO FORM 1449 (1page)

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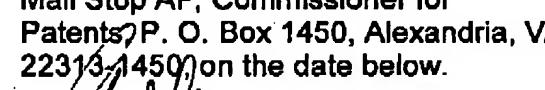
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Patent
PD-202131
No. 020991

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re Application of: Ernest C. Chen et al.	I hereby certify that this correspondence is being facsimile transmitted to (571) 273-8300 (Centralized Facsimile Number) and addressed to:
Serial No.: 10/532,509	Mail Stop AF, Commissioner for Patents, P. O. Box 1450, Alexandria, VA 22313-1450, on the date below.
Filed: April 25, 2005	
For: ESTIMATING THE OPERATING POINT ON A NON-LINEAR TRAVELING WAVE TUBE AMPLIFIER	<u>Georgann S. Grunebach</u> Typed or printed name of person signing certificate
Group Art Unit: 2817	Date: February 20, 2007
Examiner: CHOE, Henry	

SUPPLEMENTAL DISCLOSURE STATEMENT
UNDER 37 C.F.R. § 1.97 (d)
WITH FEE AS SET FORTH IN §1.17(p)

Mail Stop AF
Commissioner for Patents
P. O. Box 1450
Alexandria, VA 22313-1450

Dear Sir,

The references cited on the enclosed form PTO/SB/08A may be relevant or material to the examination of the above-identified patent application and are, therefore, submitted in compliance with the duty of disclosure defined in 37 C.F.R. § 1.56.

Reference citation numbers 1 and 2 were cited in an Office Action dated January 24, 2007 of related U.S. patent application serial number 10/691,032 filed October 22, 2003.

Reference citation numbers 3 through 9 were cited in an Office Action dated February 6, 2007 of related U.S. patent application serial number 10/532,632 filed April 25, 2005.

Serial No. 10/532,509.....Page 2

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This statement should be considered because it is submitted after the period specified under 37 C.F.R. §1.97(c), but filed on or before payment of the issue fee as set forth in 37 C.F.R. § 1.97(d).

Certification Under 37 C.F.R. §1.97(e)

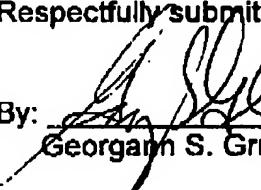
No item of information contained in the information disclosure statement was cited in a communication from a foreign patent office in a counterpart foreign application, and, to the knowledge of the person signing the certification after making reasonable inquiry, no item of information contained in the information disclosure statement was known to any individual designated in § 1.56 (c) more than three months prior to the filing of the information disclosure statement (certification under 37 C.F.R. § 1.97 (e)(2)).

PAYMENT OF FEE SET FORTH IN §1.17(p)

Please charge Deposit Account No. 50-0383 of Hughes Electronics Corporation, El Segundo, California, in the amount of \$180.00. The Commissioner is hereby authorized to charge any additional fees which may be required, or credit any overpayment to that account. This form is being submitted in duplicate.

This Information Disclosure Statement is not to be construed as a representation that a search has recently been made, that additional information material to the examination of this application does not exist, or that this citation constitutes prior art.

Respectfully submitted,

By: 

Georgann S. Grunebach, Reg. No. 33,179

The DIRECTV Group, Inc.
CA/LA1/A109
P. O. Box 956
El Segundo, CA 90245

Telephone No. (310) 964-4615

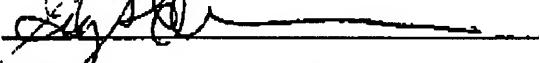
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Patent
PD-202131
Customer No. 020991

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In re Application of: Ernest C. Chen et al. : I hereby certify that this correspondence is
Serial No.: 10/532,509 : being facsimile transmitted to (571) 273-8300
Filed: April 25, 2005 : (Centralized Facsimile Number) and
For: ESTIMATING THE OPERATING : addressed to:
POINT ON A NON-LINEAR :
TRAVELING WAVE TUBE :
AMPLIFIER :
Group Art Unit: 2817 : Mail Stop AF, Commissioner for
Examiner: CHOE, Henry : Patents, P. O. Box 1450, Alexandria, VA
22313-1450, on the date below.


Geordanne S. Grunebach :
Typed or printed name of person signing certificate
Date: February 20, 2007

SUPPLEMENTAL DISCLOSURE STATEMENT
UNDER 37 C.F.R. § 1.97 (d)
WITH FEE AS SET FORTH IN §1.17(p)

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Commissioner for Patents
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Certification Under 37 C.F.R. §1.97(e)

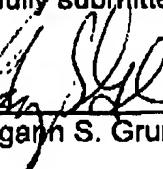
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Telephone No. (310) 964-4615

February 20, 2007

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Substitute for form 1449/PTO		Complete if Known	
INFORMATION DISCLOSURE STATEMENT BY APPLICANT (Use as many sheets as necessary)		Application Number	10/532,509
		Filing Date	April 25, 2005
		First Named Inventor	Ernest C. Chen
		Art Unit	2817
		Examiner Name	CHOE, Henry
Date: February 20, 2007			
Sheet 1 of 1		Attorney Docket Number	PD-202131

U.S. PATENT DOCUMENTS

Examiner Initials*	Cite No.	Document Number Number-Kind Code	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
1	US-6,522,683	02-2003	Smee et al.		
2	US-7,161,931	01-2007	Li et al.		
3	US-6,956,841	10-2005	Stahle et al.		
4	US-6,049,566	04-2000	Saunders et al.		
5	US-2002/0136327	09-2002	El-Gamal et al.		
6	US-7,154,958	12-2006	Dabak et al.		
7	US-2003/0194022	10-2003	Hammons et al.		
8	US-2004/0146014	07-2004	Hammons et al.		
9	US-2002/0051435	05-2002	Giallorenzi et al.		

FOREIGN PATENT DOCUMENTS

Examiner Initials*	Cite No.	Foreign Patent Document Country Code-Number-Kind Code	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear	T

Examiner Signature		Date Considered	
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*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.